

# The Anchorage Amateur Radio News Bulletin

November, 1993

Anchorage Amateur Radio Club Newsletter  
Editor - Harvey Rookus, NL7DK

Vol. 22, No. 11

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Club Information

**Next Meeting Is  
November 5th.**

**Rob Wilson,  
AL7KK will tell  
us about his  
latest antenna  
designs**

**See You There!**

## UHF Repeater Moves To 146.94 Site Repeater Cross Linking Project In The Works

Work continues on the UHF repeater, after it's successful move to it's new location (the 146.94, and 224.94 repeater site location, near Flat Top Mountain). We need to do some more work on the receiver, and possibly mount our 12db vertical, we are currently operating on the 9db vertical that existed at the site.

Time constraints have limited work on the problem with the Digital Voice Recorder, I hope that later this week or the next week to have time to travel to the site for a day, where after tying test equipment to the DVR, I will be able to contact the factory tech support, and work out the problem.

The squelch burst that users are experiencing on the 146.94 repeater are caused by a faulty squelch module on the link receiver. When I service the DVR, I will attempt to replace the module. (We have a spare module, but it requires considerable work to replace the module on the receiver board.)

The packet system continues to perform well. Trips to Site Summit, and the Rabbit Creek site, resulted in the installation of the DCD mod kits, these kits prevent a continuous carrier from locking up the Nodes. Only carriers with valid data tones will key the systems now. (that's not to say that a continuous carrier with data tones can't lockup the system, but dead carriers will no longer prevent packet traffic.)

The club has recently received three

transmitters, three receivers, and three duplexer systems, that are being incorporated into the packet network. This will allow for a full duplex 9600 baud link from 145.05 to the KL7AA Node, and BBS. This should increase the throughput of traffic to the users on 145.050.

As I discussed at the last general meeting, we plan to incorporate the use of the 141.3 Hz sub-tone in the 146.94 repeater system, and after some thought, and paper scratching, I believe we can continue to support the 100 Hz subtone simultaneously with the use of the 141.3 Hz subtone. So users that have only one tone or the other, can use the 146.94 repeater, as well as the 147.00 valley repeater. At the same time we will be turning on the sub-tone decoders on ALL receivers on the 146.94 repeater system. The increase in noise and intermodulation in Anchorage has reached the point where we are forced to tone protect our receivers, or turn off the repeater.

A second remote receiver is in the final stages, this receiver will be installed in West Anchorage, and will link to the main transmitter site on a UHF frequency. This means that the 146.94 transmitter will then have three receivers. The first remote receiver is located on Elemendorf AFB, at the C.A.P. Headquarters building, the second remote receiver will be located in West Anchorage, and the main receiver  
(Continued on Page Eight)

Fred Tolliver, KL7HM, passes on the information that the Alaska Pacific University will be dedicating a room in the name of the AARC on December 8th. The room that will be named after the club is one of the art studios on the second floor of Grant Hall, the first building on your left as you come in to the campus. The dedication ceremony will take place at 6:30 PM, just before the December Board of Directors meeting; everyone who is coming to the board meeting is invited to attend the ceremony.

Our treasurer, John Lawson, NL7NC, will be making a motion at the November 5th meeting for the club to authorize the board to issue a check for the final portion of the \$100,000 that was pledged for the scholarship fund. He reports that we have received sufficient funds from the gaming activities this year to complete the pledge. We hope to present the check at the dedication ceremony in December. Paul Spatzek, WL7BF, will see if he can arrange for TV news coverage of the ceremony.

John Reisenauer, NL7TB, President of our fellow radio club in Anchorage, the South Central Radio Club, wrote a letter to the board of directors this past month to invite the AARC to participate in the SCRC 1994 Field Day event. The board discussed the letter at our September meeting and thought that the offer should be passed on to the general membership. It presents an interesting alternative for those who want to participate in Field Day. By combining the FD enthusiasts from both clubs, we can have a good time on Field Day even if it does fall on the same weekend as the Motley Picnic.

If we combine efforts next year, it would be based upon the SCRC's plans since they are the ones who've extended the offer. The FD group plans to use the Six Mile Lake site on Elmendorf again. I was there this past June and it was a fun event.

***Remember The AL7MO***

President,  
AARC, Inc.

On behalf of the South Central Radio Club (SCRC), I want to personally invite the Anchorage Amateur Radio Club (AARC) to join us in our 1994 Field Day activities. We enjoyed a very successful Field Day outing this past summer and plan an even bigger event for 1994. Our January meeting will kick off the FD planning effort.

As you know, SCRC meets on the second Friday of each month at the UAA campus (room 220, Buesiness Ed. Bldg. - 7:00 PM). Your club members and guests are always welcome to attend our meetings.

A joint enture such as this "emergency preparedness" exercise would surely benefit the community.

73 and Happy Hamming,  
John Reisenauer, NL7TB  
President, SCRC &  
1994 FD Coordinator

## Calendar

### NOVEMBER

General Meeting 5th  
Board Meeting 10th  
PARKA Meeting 27th

### DECEMBER

1993 Christmas Party 3rd  
Board Meeting 8th  
PARKA Meeting

***AND THEN THERE'S  
NEXT YEAR!***

## From The October Minutes

By: NL7NN, Susan Woods

The General Meeting of the Anchorage Amateur Radio Club, was called to order at 7:17PM on Friday, October 1, 1993, by our President, Richard Mote, AL7MO. Introductions were made.

The 22nd annual AARC Hamfest/Flea Market was a success! Our President said "Thank you" for all the help that was given to the effort; it would not have happened otherwise. The \$2,322 that was approved by the membership of AARC, for the ARRL books, was not spent, because the shipment came as a consignment order. A motion was made by John Lawson, NL7NC, our Treasurer, to send ARRL a check for 90% of the book sale proceeds. The motion was seconded by John Shull, W4IGM. Because there was no opposition, the motion carried. The unsold books left over from the sale will be returned to ARRL. A profit was realized by the club, however, there are still some minor bills to be paid, so the exact figure is unknown at this time.

At the Banquet, there were "Certificates of Appreciation" handed out. Not all of the intended recipients were at the banquet, so they were given theirs at the meeting. Certificates awarded were as follows:

Doug Dickinson, KL7IKX, for being the Chairman of the VHF/UHF Committee. Lance Dunbar, AL7BK, for being the Membership Committee of one.

John Lawson, NL7NC, for his work as the KL7AA-7 Packet Sysop. Rick, KL7YF, and Lil, NL7DL, Marvin, for Teaching the Hams of Tomorrow. Bill Reiter, KL7ITI, for his being the AARC's Trustee. Harvey Rookus, NL7DK, for his help with the Newsletter. And Susan Woods, NL7NN, for helping with the 1992 AARC Hamfest/Flea Market.

Cordell Pagh, NL7ZB, was presented with the IC-229H that he won at the banquet. Congratulations, Cordell!!

A 40 foot conex has been

purchased by the AARC. It was delivered free of charge. Lillian Marvin, NL7DL, successfully negotiated an agreement to house the conex at the MOA's Fire Training Center. Fire Station #3, where the Training Center is located, is a 24-hour facility. Security, external lighting, and access should not be a problem. Harley Steward, KL7IZZ, was the person who selected the conex, he also built some shelves inside to make better use of the space.

The UHF repeater has been moved to the 146.94 site.

(Continued on Page Four)

## Letters To The Newsletter

President,  
AARC, Inc.

Let me take this opportunity to personally thank you and your group for an outstanding job. The hard work and time you have donated have made a big difference in the appearance of our highways.

As of September 30, 1993, your organization's commitment to this program is fulfilled. We hope you will continue to participate and have enclosed a renewal form for your use. If your group continues to be interested in the program, please complete the renewal form and return it to me by November 1, 1993.

Once again, please accept our sincere appreciation for your participation in the program during 1992 and 1993. We are looking forward to working with you again in the future.

Sincerely,  
Margaret E. Holland  
Adopt-A-Highway Coordinator  
State of Alaska  
Department of Transportation & Public Facilities

(Continued from Page Three)

Lillian Marvin, NL7DL, is selling Christmas Raffle Tickets again this year. She has 3,500 tickets to sell. If you can help her out by purchasing or selling tickets, please make yourself known to Lilly. [Editor's note: the members of the AARC Board of Directors have been 'directed' by Lil to assist in the sale of tickets this year, so contact any board member for Winter Raffle Tickets]

Dianne Hammer, NL7KN, is the Chapter Head for the North Star 49ers, a Ten-Ten Net. she would to keep the net alive, but needs seven groundwave stations who are willing to check-in regularly on 28.360 mhz Sundays at 11:00AM local time. Please check in.

After a break, the changes to the FCC part 97.113, Business Communications, were the topic of discussion. Paul, WL7BF, part of the VHF/UHF Committee; Doug Dickinson, KL7IKX, Chairman of the VHF/UHF Committee; and Bill Reiter, KL7ITI, the Club Trustee; handled many questions posed by the membership at large about how the new rules will affect the local area. For the most part, the FCC has left it up to the local Control Operators, as to how they govern and what will be tolerated on the Repeater.

After the raffle was over, the meeting was adjourned, and the socializing continued at the Frontier Restaurant on Tudor Road.

Respectfully submitted by,  
Susan J. Woods, NL7NN  
Secretary, AARC, Inc.

## October VEC Report

	Call	From	To
ANCHORAGE			
Charles A. Baker	KB0APK	Novice	HF Tech
Charles W. Bishop		No License	Novice
Matt A. Buchholz	NL7VC	NC Tech	General
Russell Ely	WL7LF	NC Tech	General
Nelson W. Gibson, Sr.		No License	NC Tech
Gerald P. Hallgrimson	NL7YH	NC Tech	HF Tech
Gerald P. Hallgrimson	NL7YH	HF Tech	General
Benjamin D. Haring (10)	WL7CHA	Novice	HF Tech
Donald E. Koehler (15)	KB7IRD	Novice	HF Tech
Nita M. Meirhoff		No License	HC Tech
Brian A. Niswander	KA8TMU	Novice	HF Tech
Russ J. Taylor	WL7CHB	Novice	HF Tech
Cheri A. Worley	WL7MA	General	Advanced
EAGLE RIVER			
Dale M. Heater		No License	NC Tech
Gene Jones	NL7ZM	General	Advanced
William R. Vallee	WL7CQG	NC Tech	Advanced
FAIRBANKS			
Natah J. Adams (13)	WL7CFR	Novice	HF Tech
Seth D. Adams (11)	WL7CEO	Novice	HF Tech
Roger L. Asbury, Jr.		No License	NC Tech
Birch A. Badger (9)		No License	NC Tech
Mark O. Badger		No License	NC Tech
Bernice L. Bentley		No License	NC Tech
Neal B. Brown		No License	HF Tech
Larita A. Chapman-Mann		No License	NC Tech
Daniel S. Clautice (13)	WL7CBV	Novice	HF Tech
Brian C. Henry (11)	WL7CGL	Novice	HF Tech
Michael E. Hoefer		No License	HF Tech
Francis M. Hove		No License	NC Tech
Danielle J. Hunstein (17)	WL7BFE	Novice	HF Tech
Sandra K. Hustein	WL7BFU	Novice	HF Tech
Jimmy B. Jaspersen		No License	NC Tech
Douglas C. Knight (14)	WL7CBU	Novice	HF Tech
Leslie A. Knoll	WL7CGM	Novice	HF Tech
Brian J. Leffingwell		No License	NC Tech
Jerry W. Mastin		No License	NC Tech
Jonathan E. Michael		No License	NC Tech
Judith F. Reece		No License	NC Tech
John E. Schroeder, Jr.		No License	NC Tech
Steven N. Storo		No License	NC Tech
Arthur W. Warbelow		No License	NC Tech
Caitlin A. Warbelow (9)		No License	NC Tech
JUNEAU			
Douglas R. Grimm	AL7AM	General	Advanced
KENAI			
David C. Haring	WL7DB	Advanced	Extra
William R. Thomas		No License	HF Tech

Note: NC Tech = No Code Technician; HF Tech = Tech with HF privileges  
Submitted by Roger Hansen, KL7HFQ, VEC Director

## Federal Communications Commission

FCC 93-218

Before the  
Federal Communications Commission  
Washington, D.C. 20554

PR Docket No. 92-154

In the Matter of

Amendment of the Amateur Service  
Rules to Include Novice Class  
Operator License Examinations  
in the Volunteer-Examiner  
Coordinator Examination System.

## REPORT AND ORDER

Adopted: May 3, 1993;

Released: May 14, 1993

By the Commission:

## I. INTRODUCTION

1. On July 13, 1992, we adopted a *Notice of Proposed Rule Making* (Notice)<sup>1</sup> in the above-captioned proceeding. In the Notice, we proposed to amend the amateur service rules to place the responsibility for the preparation and administration of entry-level Novice Class operator license examinations under the volunteer-examiner coordinator (VEC) system. This *Report and Order* adopts the rules substantially as proposed.

2. Currently, each examination for an amateur operator license, except the Novice license,<sup>2</sup> is administered at a session coordinated by one of the eighteen VECs. Under this system, the examination is administered by three volunteer examiners (VE) accredited by the VEC. An examination for a Novice license, however, is administered at an *ad hoc* session by two licensees selected by the examinee. In the interest of integrity, simplification, and efficiency, we proposed to place the responsibility for the preparation and administration of Novice license examinations in the VEC system.

## II. COMMENTS

3. The two most active VECs support our proposal.<sup>3</sup> The W5YI-VEC states that it is time to abolish the separate Novice examination system and incorporate it into the VEC System. It is convinced that the use of accredited VEs in the VEC system would improve the integrity of the Novice examination process and minimize irregularities.<sup>4</sup> The American Radio Relay League, Inc. (ARRL)<sup>5</sup> sees advantages that would flow from including Novice Class examinations in the VEC system. It believes that the application error rate would decrease and that more efficiency would result because the Commission would have to interact administratively with only a few VECs, rather than deal with thousands of examiners who are not accredited or coordinated by a VEC.<sup>6</sup>

4. Two ancillary matters are raised in the comments and reply comments filed in this proceeding.<sup>7</sup> The first matter is whether VECs and VEs may accept reimbursement for their out-of-pocket expenses incurred while administering Novice license examinations. Second, some commenters believe that the VEC system could pose an examination hardship in sparsely-populated areas and that General Class licensees should be allowed to administer the Technician as well as the Novice license examinations.<sup>8</sup> These matters are discussed below in greater detail.

5. Our proposal permitting VEs and VECs to recover out-of-pocket costs incurred in preparing, processing, administering or coordinating Novice examinations drew mixed responses. Some commenters oppose any reimbursement fee for a Novice license examination,<sup>9</sup> while one commenter suggests that Novice examinees under 18 years of age not be subject to the reimbursement provision.<sup>10</sup> Other commenters, however, favor allowing the administering VEs to recover their out-of-pocket costs from Novice license examinees.<sup>11</sup> Although ARRL states that it takes no position on this matter, it does request that the Commission clarify whether a VEC could waive reimbursement from an entire class of examinees for a year, provided it does so for all examinees for a particular class of license in all areas where it administers examinations.<sup>12</sup>

6. Several commenters favor<sup>13</sup> allowing General Class licensees to administer examinations for Technician licenses as well as examinations for Novice licenses. One commenter points out that allowing General Class licensees to administer Technician license examinations is in accordance with our statutory authority concerning the duties of VEs.<sup>14</sup> Another commenter, however, opposes the use of

<sup>1</sup> 7 FCC Rcd 4608 (1992).

<sup>2</sup> The five classes of amateur operator licenses in descending order are Amateur Extra, Advanced, General, Technician, and Novice. The Amateur Extra Class operator license is the highest class license conveying the most operating privileges while the Novice Class operator license is the lowest class license with the least operating privileges.

<sup>3</sup> The W5YI-VEC and the VEC organization of The American Radio Relay League, Inc. coordinated almost 80 percent of the examinations administered in the VEC system in 1992.

<sup>4</sup> Comments of W5YI-VEC at 2 and 3.

<sup>5</sup> The ARRL-VEC is a branch of the American Radio Relay League, Inc. It is separate from other ARRL activities.

<sup>6</sup> ARRL Petition for Rule Making, incorporated by reference into its Comments, at p. 8.

<sup>7</sup> The late-filed reply comments of W. Hugh Toole and the Arctic Amateur Radio Club, Inc. (AARC) are being considered as permissible *ex parte* presentations. See Section 1.1202(b)(2) of

the Commission's Rules, 47 C.F.R. § 1.1202(b)(2).

<sup>8</sup> The Novice Class and the Technician Class operator licenses are entry-level licenses. They both require the passing of the 30 question written examination element 2. The Novice Class operator license is for persons who cannot also pass the 25 question written element 3(A), but who can pass the slow speed telegraphy examination element 1(A).

<sup>9</sup> Comments of Richard E. Humston at 1, Robert May II at 1 and 2, William L. Enter, Sr. at 1, and Steven L. Karty at 1.

<sup>10</sup> Comments of Dennis G. Eksten at 1.

<sup>11</sup> Comments of Gordon Girton at 2, and W5YI-VEC at 3. The W5YI-VEC stated that while it supported a reimbursement fee for Novice examinations, such a fee should not necessarily be required.

<sup>12</sup> Comments of ARRL at 3.

<sup>13</sup> Comments of W5YI-VEC at 4 and 5, Ray Adams at 6, Gordon Girton at 1, and Jim Rinehart at 1.

<sup>14</sup> Comments of W5YI-VEC at 4.

General Class licensees in the VEC system on the ground that the current practice of using only VEs who hold Amateur Extra and Advanced Class licenses should not be disturbed.<sup>15</sup>

7. Another matter raised by the commenters concerning administration of Novice Class operator license examinations in the VEC system is the hardship that could be caused to examinees in remote areas, because an additional VE would be required.<sup>16</sup> One commenter, moreover, suggests that only one VE be required for a Novice examination administered in Alaska because of the absence of highways, the rugged terrain, and the fact that air travel must be relied on.<sup>17</sup> The ARRL states that no matter how many examination opportunities are available, there will always be some type of hardship for those in a rural environment. It notes that difficulties of arranging an examination session administered by three VEs, rather than two, in Alaska should not influence a decision on whether Novice examinations should be brought within the VEC system. Further, it states that a significant effort would be made by its VEC organization to ensure that there are expanded examination opportunities for persons in all rural areas.<sup>18</sup>

### III. DISCUSSION

Novice Class operator license examinations in the VEC system

8. There is convincing support for placing the Novice Class Operator license examinations in the VEC system. The examination elements required for the Novice license are already being administered in the VEC system because they are also requirements for other classes of amateur operator licenses. With the advent of the codeless Technician Class, however, there has been a marked decline in interest for new Novice licenses.<sup>19</sup> To help standardize and simplify the license qualification process, we are amending the rules to place the Novice license examinations in the VEC system. Administering all amateur operator license examinations under the superior VEC system will avoid the confusion that now exists because two different systems are used. The VEC system, furthermore, is much more efficient than the Novice system. The oversight provided by the VECs results in far fewer administration discrepancies and application errors than the Novice system.<sup>20</sup> The data kept by the VECs provide a timely overview of the examination process and a means to gauge the effectiveness of the examination system. Additionally, by eliminating the

separate certifications by examiners administering No license examinations under the *ad hoc* system, the license application Form 610 can be streamlined.

#### VE and VEC Reimbursement

9. The VEs and VECs donate their time and talent in preparing, administering, and coordinating examinations. There is no valid reason to require them, in addition, to absorb the costs of providing these valuable benefits to the examinees. They are permitted to accept reimbursement only for their actual out-of-pocket costs and must certify annually to the Commission that all costs for which reimbursement was obtained were necessarily and prudently incurred.<sup>21</sup> The maximum allowable reimbursement fee assures that they perform their duties without incurring any unnecessary expenses.<sup>22</sup> This fee, moreover, has not hampered the growth of the other license classes, for which reimbursement is permitted. We do not believe that such a modest fee will be a significant disincentive to obtaining a Novice Class license.

10. In response to the question posed by the ARRL regarding waiver of the fee, there are two methods the VEs and VECs use for determining the actual reimbursement fee.<sup>23</sup> Under the examination-by-examination method, they simply recover their actual out-of-pocket costs for coordinating, preparing, and administering each particular examination. Under the annual method, during the calendar year they charge every examinee the same fee based upon their forecasts of expenses, adjusted by any shortage or surplus from the previous year. The examination-by-examination method allows the VEs and the VECs the option of recovering out-of-pocket costs from any particular examinee. The annual method does not allow such an option. VEs and VECs, therefore, when using the examination-by-examination method, can elect not to recover their out-of-pocket costs when administering or coordinating any examination, but cannot charge a fee exceeding their out-of-pocket costs for some examinations to offset a lower fee, or no fee, for other examinations.

#### Administering examinations in remote areas

11. Sparsely-populated areas, by their nature, often involve some higher degree of inconvenience in matters requiring human assistance than do other locales. The presence of three administering VEs at each examination session, however, is the cornerstone of the VEC system. They provide for cross-checking of answers to examination questions to make certain that they are correct, for assuring proper completion of the license application form, and for minimizing the likelihood of fraud or abuse.<sup>24</sup> Rather than reducing the number of administering VEs to two, we

<sup>15</sup> Comments of Joe P. McDonald at 1.

<sup>16</sup> Comments of Roger Hansen at 1 and 2, Harvey Rookus at 1, Robert C. Wilson at 1, Robert O. Baker, Sr. at 1, and Robert O. Baker, Jr. at 1.

<sup>17</sup> Comments of William J. Raynsford at 2.

<sup>18</sup> Reply comments of the ARRL at 4 and 5.

<sup>19</sup> In calendar year 1992, for example, there were only 10,704 Novice Class operator licenses issued. For the same period in 1990, the last full year preceding the introduction of the codeless Technician Class operator license, there were 24,398 Novice Class operator licenses issued.

<sup>20</sup> In calendar year 1991, the number of errors on application forms filed through the VEC system was a very low 0.8 percent. For the same period, the number of errors on Novice applica-

tions was 9.4%.

<sup>21</sup> See Section 4(f)(4)(J) of the Communications Act of 1934, as amended, 47 U.S.C. § 154(f)(4)(J). See also *Report and Order* in PR Docket No. 84-265, adopted July 12, 1984, 56 RR 2nd 662 (1984).

<sup>22</sup> Public Notice, Released October 30, 1992, 7 FCC Rcd 6878 (1992). For 1993, the maximum allowable fee is \$5.60.

<sup>23</sup> See 3.6.2.1 and 3.6.2.2, Instructions for Volunteer-Examiner Coordinators, Revision D, December 3, 1992, published by the VECs. The custodian is R.C. Smith, Greater Los Angeles Amateur Radio Group VEC.

<sup>24</sup> *Report and Order* in PR Docket No. 83-27, adopted September 22, 1983, 54 RR 2d 1068 (1983).

## Federal Communications Commission

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believe a better approach would be to authorize General Class licensees to also administer the Technician examinations, as suggested in the comments, in addition to continuing to administer the Novice examinations. This will provide a pool of almost 300,000 possible VEs<sup>25</sup> to administer examinations for the two classes of license for which the most VEs are required<sup>26</sup> thereby making it easier to offer examinations in less populated areas. For these reasons, the rules that we adopt herein specify that General Class licensees may administer examinations to Technician Class as well as to Novice Class examinees.

12. While VEs administer examinations everywhere in the United States and also internationally, Alaska is one of only 14 states where the headquarters of a VEC is located.<sup>27</sup> The Anchorage Amateur Radio Club coordinates examination sessions on a regular basis at many locations in Alaska.<sup>28</sup> It also provides for sessions at other locations occasionally.<sup>29</sup> It was, in fact, the first VEC to be authorized anywhere.<sup>30</sup> The ARRL/VEC, furthermore, intends to expand examination opportunities in Alaska. The number of examination opportunities everywhere, moreover, will grow as a result of our decision allowing General Class operator licensees to administer both Technician and Novice operator license examinations, and permitting VECs and VEs to be reimbursed for their out-of-pocket expenses when coordinating and administering Novice examinations.<sup>31</sup> We believe that amateur operator license examinees will continue to be well served by the VECs and their accredited VEs.

## IV. CONCLUSION

13. In summary, we have decided to amend the amateur service rules to place the responsibility for the preparation and administration of Novice Class operator license examinations under the VEC system and to allow recovery of out-of-pocket costs for coordinating and administering such examinations. We, therefore, adopt the proposed rules in this proceeding and also include authorization for General Class licensees to administer Technician Class license examinations.

## V. ORDERING CLAUSES

14. Accordingly, IT IS ORDERED that effective July 1, 1993, Part 97 of the Commission's Rules, 47 C.F.R. Part 97, IS AMENDED as set forth below. Authority for this action is found in Sections 4(f)(4)(A), (B), and (J), 4(i), and 303(r) of the Communications Act of 1934, as amended, 47 U.S.C. §§ 154(f)(4)(A), (B), and (J), 154(i), and 303(r).

15. IT IS FURTHER ORDERED that this proceeding IS TERMINATED.

## FEDERAL COMMUNICATIONS COMMISSION

Donna R. Searcy  
Secretary

## APPENDIX

Part 97 of Chapter I of Title 47 of the Code of Federal Regulations is amended as follows:

## Part 97 - Amateur radio service

1. The authority citation for Part 97 continues to read as follows:

Authority citation: 48 Stat. 1066, 1082, as amended; 47 U.S.C. §§ 154, 303. Interpret or apply 48 Stat. 1064-1068, 1081-1105, as amended; 47 U.S.C. §§ 151-155, 301, 609, unless otherwise noted.

2. Section 97.507(c) is revised, paragraph (d) is removed, and paragraph (e) is redesignated as paragraph (d) to read as follows:

## § 97.507 Preparing an examination.

\*\*\*\*\*

(c) Each telegraphy message and each written question set administered to an examinee for an amateur operator license must be prepared, or obtained from a supplier, by the administering VEs according to instructions from the coordinating VEC.

\*\*\*\*\*

3. Section 97.511 is revised in its entirety to read as follows:

## § 97.511 Amateur operator license examination.

(a) Each session where an examination for an amateur operator license is administered must be coordinated by a VEC. Each administering VE must be accredited by the coordinating VEC.

(b) Each examination must be administered by 3 VEs, each of whom must hold an FCC-issued amateur operator license of the class specified below:

<sup>25</sup> As of January 26, 1993, there were 125,568 General, 110,089 Advanced, and 61,615 Amateur Extra Class licensees.

<sup>26</sup> In 1992, there were issued 10,704 Novice Class operator licenses and 41,703 Technician Class operator licenses. The latter included 33,372 new Technician licenses and 8,331 Technician licenses obtained by Novice licensees.

<sup>27</sup> The other states are Alabama, Connecticut, California, North Carolina, Illinois, Louisiana, Hawaii, Maryland, Wisconsin, West Virginia, Missouri, Tennessee, and Texas.

<sup>28</sup> In 1992, there were 1,084 elements administered to 638 examinees in Alaska. The examination sessions were coordinated by the Anchorage Amateur Radio Club, the ARRL/VEC, and the WSYI-VEC.

<sup>29</sup> Comments of Anchorage Amateur Radio Club, Inc./VEC at 1 and 2. Last year in Alaska, 188 persons qualified for Technician licenses under the VEC system compared to only 63 persons who qualified for Novice licenses under the *ad hoc* system.

<sup>30</sup> The Anchorage Amateur Radio Club was designated a VEC on February 27, 1984.

<sup>31</sup> As of January 26, 1993, 521 Advanced, and 293 Amateur Extra Class licensees in Alaska were eligible to be accredited to administer operator license examinations. With these rule amendments, 632 General Class licensees in Alaska could also be accredited to administer operator license examinations in the VEC system.

(1) For a Novice or Technician Class operator license examination, the administering VEs must hold Amateur Extra, Advanced, or General Class operator licenses; and

(2) For a General, Advanced, or Amateur Extra Class operator license examination, the administering VEs must hold Amateur Extra Class operator licenses.

(c) The administering VEs must make a public announcement before administering an examination for an amateur operator license. The number of candidates at any examination may be limited.

(d) The administering VEs must issue a CSCE to an examinee who scores a passing grade on an examination element.

(e) Within 10 days of the administration of a successful examination for an amateur operator license, the administering VEs must submit the application to the coordinating VEC. If telegraphy element credit is claimed under Section 97.505(a)(5), the physician's certification and the patient's release on the license application, Form 610, must be completed.

4. Section 97.513 is removed and reserved.

5. Section 97.521(c) is revised to read as follows:

#### § 97.521 VEC qualifications.

\*\*\*\*\*

(c) Agree to coordinate examinations for any class of amateur operator license:

\*\*\*\*\*

6. Section 97.527 is amended by revising paragraph (a), by removing paragraph (c), and by redesignating paragraphs (d) through (g) as paragraphs (c) through (f) to read as follows:

#### § 97.527 Reimbursement for expenses.

(a) VEs and VECs may be reimbursed by examinees for out-of-pocket expenses incurred in preparing, processing, administering, or coordinating an examination for an amateur operator license.

\*\*\*\*\*

(Continued from Page One)

is located at the 146.94 Transmitter site, at the base of Flat Top Mountain.

All three receivers feed a voting selector system that decides which of the three signals has the best quieting signal, NOT the LOUDEST, but the best quieting! This is the signal that is then fed to the RC-850 Controller, and on to the 146.94 Transmitter.

Finally with the move of the UHF repeater to the 146.94/224.94 site, we now have the capacity to link UHF to 220 and also to 146.94. This means for our Novice users who have voice privileges on 222 and above. You will now have access to the 2 meter, and 440 repeater systems. Link wiring is being worked out now, and the links should be in place within 60 days. (This work like all work on AARC equipment is related to the time availability of our volunteers!)

As a side note, AARC supplies tech support to the KL7ION repeater, this repeater is NOT owned or licensed by the Anchorage Amateur Radio Club. However its location requires technicians with security clearance for site access. So as a courtesy to the licensee of the repeater, repairs or maintenance is done when one or more AARC members who have site access are available.

Yes there were problems recently, in fact KL7ION was one of SEVEN power amplifiers and FIVE power supplies that developed problems in the space of two days at the site. The borrowed amplifier that was installed apparently had also been stressed by the failures, and failed within twenty four hours. The second borrowed amp, was not on site when the problem occurred, and has apparently solved the problem. The failed amp has been taken down for repair.

Until it returns the KL7ION repeater is running 3db less power than normal. And due to site access, and winter weather (yes it's snowing up there!) KL7ION probably will continue to run 3db down for the rest of the fall, winter, and early spring.

Doug Dickinson, KL7IKX  
AARC Technical Support Group

From the October 23rd issue of the *Anchorage Daily News*.

Wilma and Harvey (NL7DK) Rookus were honored on the occasion of their 50th wedding anniversary August 29th, with a large party at their home. The couple were married August 31, 1943, in Long Beach, California.

At the beginning of their marriage, Harvey served overseas in China, Burma and India with the Army Corps of Engineers, and Wilma worked in a department store advertising office.

When Harvey returned, he went to work in the oil industry. He worked for 37 years in California, for Richfield Oil Corporation. He came to Alaska in 1973, during construction of the Trans-Alaska Oil Pipeline. He was survey coordinator on the southern-most portion of the pipeline, from Valdez to Sourdough on the Richardson Highway.

Harvey was present when the first piece of pipe was lowered into its trench, and when the last piece of pipe was installed at Thompson Pass.

The 1993 party was organized by the couple's daughter, Kathy Rookus, with assistance from their other three children and their families. Guests included friends from some of the organizations which the couple has participated in.

## Treasurer's Report For September, 1993

### Financial Reports

The transaction report for the month of September is attached. The year-to-date Profit and Loss Statement is also attached. The balance in the regular checking account as of 10/12/93 is \$6,713.12. All other bills received through 10/12/93 have been paid.

### Gaming Accounts.

A transfer of \$2,000.00 was made from the gaming account to the club regular checking account during September. The funds are designated for public service activities. A transfer of \$273.29 was made from the holding account to the gaming account to maintain a minimum balance. The current value of the holding account is \$17,175.65. The current value of the money market account is \$5,591.39.

### Life Membership Account.

No transactions occurred on the Life Member account during August. The current value of the Life Member account is \$18,600.71.

### IRS Inquiry.

A letter was received from the Internal Revenue Service acknowledging receipt of the extension request filed by our

CPA, Nancy Adams. Nancy has indicated that the review of the club records for the filing period in question will be completed and IRS forms completed by October 15th. She is now estimating the fee for her services at approximately \$350.00.

### Budget.

Input is requested for preparation of the 1994 AARC budget. The 1994 budget will be submitted to the Board of Directors at the November Board meeting.

## SWAP N SHOP

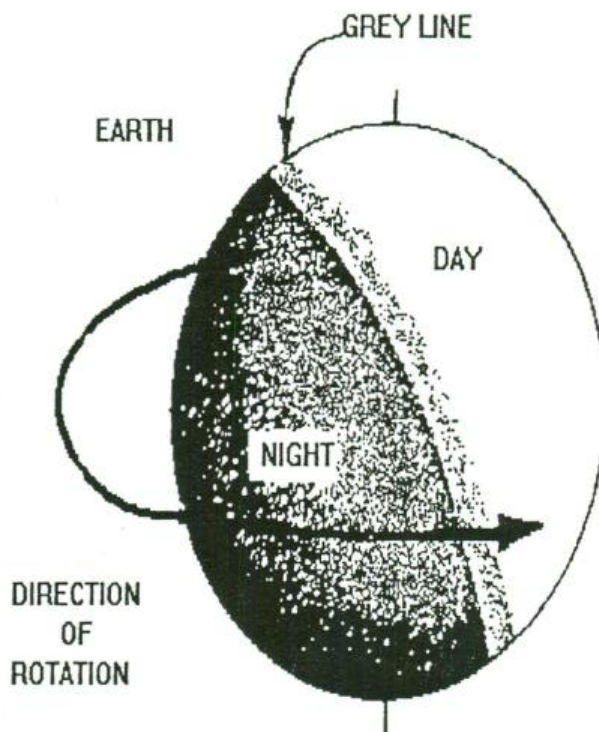
Icom IC-25H 45 watt Two Meter mobile transceiver with mounting bracket and hand mike. Hustler mag mount and Two Meter mobile antenna. Contact John Harrison, N5NXG at 243-8634.

MFJ 940 HF antenna tuner. Realistic 3-30 mhz SWR/Field Strength meter. 33 Centimeter band QRP TV transmitter system. Contact Richard Mote, AL7MO at 248-9191 evenings and weekends.

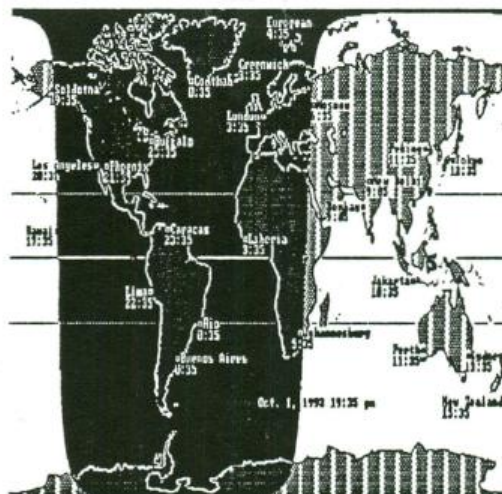
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### Autumn Greyline Path in Alaska - NL7J

It's close to autumn equinox and this means DX propagation improves. Daylight duration is about equal on both sides of the equator. Conditions are good for Alaskan and African stations on north/south paths, especially signals traveling along the optimum ionization in the greyline. This time of year the greyline lines up with Alaska and Africa in the evening and in the morning. If you have a beam you may hear stronger signals coming long path over the southern path. African stations chat with New Zealand around 14.160 to 14.230 MHz this time of year. Listen for a chance to join. On rare occasions during the equinox time of year, Africa may be heard for about 15 minutes near 3.798 MHz LSB or 3505 MHz CW (80 Meter band!).



\*Sunrise Approaching Kenai Area  
OCT 1, 1993 8:17 AM



\*Sunset Approaching Kenai Area  
OCT 1, 1993 7:31 PM

The maps above show the sun's footprint, with morning arriving in Alaska on the left map, evening approaching on the right map, and areas the greyline touches. Best times are when both stations are near the edge of night/day (greyline) shadow. Second choice would be when a desired distant station is within an hour or so of the greyline shadow. There is a sliding map tool or MS/DOS software available that shows the daily location of the greyline.

**AARC GENERAL MEETINGS** are held on the first Friday evening of each month in Room 102 of the Carr-Gottstein Building on the Alaska Pacific University Campus.

The campus is located at 4101 University Drive and Bragaw Streets. Parking is available only in the lot to the northeast of the building.

The meetings begin at 7:00 PM and visitors are always welcome! The AARC legendary raffle is open to everyone.

**AARC BOARD MEETINGS** are held on the second Wednesday evening of each month in Room 104 of the Carr-Gottstein Building on the APU campus. The meetings begin at 7:00 PM and are open to all club members and visitors.

#### **ANCHORAGE ARES NET**

The Anchorage area Amateur Radio Emergency Services net is held each Thursday evening at 8:00 PM on the KL7ION repeater on 147.3 (+.600). Net Control is Lil Marvin, NL7DL and alternate NCS station is KL7IO. The Westlink Amateur Radio report, Swap N Shop and the Parka Net follow the ARES net on the same frequency.

#### **THE KL7AA REPEATERS**

sponsored by the club are on 146.94 (at minus .600), 224.94 (-1.600) and 444.7 (+5.000). The two meter repeater located on top of Flattop Mt. requires a 100 hz tone for access.

The satellite receiver located on Government Hill does not require a tone. The 125 cm repeater, also on Flattop Mt. and the 70 cm repeater located at the South Central Radio site do not require tone for access. The repeater trustee is William Reiter, KL7ITI. Doug Dickinson, KL7IKX, is chairman of the VHF/UHF committee.

#### **KL7AA-7 PACKET OPERATIONS**

Ports are 145.01 mhz, 147.96 mhz and 445.05 mhz at 1,200 Baud; 7108.5 khz at 300 Baud and 445.11 mhz at 9600 Baud. Remember that 147.96 mhz is normally in use as the Iceworm link to other Alaskan communities and limit use of that port to evening hours.

A landline port is available at 300-9600 Baud, V32.bis compatible; registration is required. Contact Sysop Mel Sauners, AL7PB, at 349-4372 for info, or contact Sysops Doug KL7IKX, Paul WL7BF, Jim NL7C, Merle AL7LD or Bill AL7MM.

**FREE LICENSE EXAMS** are held on the first Wednesday evening of the month at 6:30PM in the Carr-Gottstein Bldg on the APU campus and on the third Wednesday evening of the month in Eagle River at 7PM in the basement of the VFW Hall.

Exams are also held in the Carr-Gottstein Bldg on the second Saturday of each month.

For more information contact VEC Director, Roger Hansen, KL7HFQ at 892-6365.

#### **AARC MEMBERSHIP DUES** are

\$20.00 regular, \$25.00 family and \$10.00 student. Dues are due one year from date of last payment. There is a 30 day grace period. Life memberships are available. Contact Lance Dunbar, AL7BK, (H) 337-6297 or (W) 561-5457.

Please remember that the club receives \$2.00 for each ARRL membership renewal and \$5.00 for each new ARRL membership if they are processed through the AARC.

**AARC is affiliated with the ARRL.**

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